

Synthesis and some reactions of 2-sulfo-3-alkylthieno- and 2-sulfo-3-benzothienothiazolium betaines. Astrakhanseva, N. I.; Zhilyakov, V. G.; Abramenko, P. I. USSR. Sb. Nauch. Tr. Vses. N.-I. Prekd. In-t Khim.-Fizoloz. Prom-sti (1976), (23), 5-15. From: Ref. Zh., Khim., 1977, Abstr. No. 2223972. Journal written in Russian. CAN 88:91028 AN 1978:91028 CAPLUS

Abstract

Title only translated.

Indexing -- Section 40-7 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

Dyes

(thienothiazolium and benzothienothiazolium sulfo derivs. in prepn. of)

247-28-9DP, betaine sulfo derivs.

247-53-0DP, betaine sulfo derivs.

251-23-0DP, betaine alkyl sulfo derivs.

251-43-4DP, betaine alkyl sulfo derivs.

Role: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reactions of, in methine dye synthesis)

Supplementary Terms

thienothiazolium sulfo deriv dye; benzothienothiazolium sulfo deriv dye; sulfonienothiazolium dye

Answer 3:

Bibliographic Information

Polymethine dyes containing the radicals of 4,5-15'-phenylthiophene(2',3')-2-thiazole. Abramenko, P. I.; Zhilyakov, V. G.; Sennikova, N. I.; Krykova, M. V.; Kurepina, G. F.; Tashcheva, G. F. (All-Union Scientific-Research Institute of the Photographic Chemical Industry). U.S.S.R. (1972). CODEN: URXXAF SU 321167 19721103 Patent written in Russian. Application: SU 19690403. CAN 78:99051 AN 1973:99051 CAPLUS

Patent Family Information

Abstract

Polymethine dyes I (Y = 4,5-15'-phenylthiophene(2',3')-2-thiazole radical, Z = Y or a 5- or 6-membered heterocycle or 3,3-dimethylindoline, benzothiazole, benzoxazole, benzoselenazole, or their derivs.; R₁R₁ = substituted or unsubstituted alkyl, arylalkyl, aryl; R₂ = H, alkyl, arylalkyl, aryl; X = acid radical, n = 1 or 2) and II (R₃ = unsubstituted or substituted alkyl, arylalkyl, aryl) were prepd. by the condensation of intermediates used in the synthesis of polymethane dyes with quaternary salts of 2-methyl-4,5-15'-phenylthiophene(2',3')thiazole.

Patent Classifications

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Page: 4

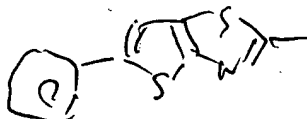
IPC: G03C; C09B.

Indexing - Section 40-7 (Dyes, Fluorescent Whitening Agents, and Photosensitizers)

Dyes, cyanine
(thienothiazole derivs.)

41339-32-6

Role: USES (Uses)
(cyanine dyes from)



Supplementary Terms

polymethine dye; thienothiazole polymethine dye; selenazole benzo dye